

Date: Tue, 18 Oct 94 04:30:46 PDT
From: Ham-Space Mailing List and Newsgroup <ham-space@ucsd.edu>
Errors-To: Ham-Space-Errors@UCSD.Edu
Reply-To: Ham-Space@UCSD.Edu
Precedence: List
Subject: Ham-Space Digest V94 #294
To: Ham-Space

Today's Topics:

MIR activity ?
More Static Satellite Tracking Device (2 msgs)
Phase III, Modes B&J Equipment
Upload and display problems with WISP

Send Replies or notes for publication to: <Ham-Space@UCSD.Edu>
Send subscription requests to: <Ham-Space-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

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We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: Mon, 17 Oct 1994 10:07:58 GMT
From: icesb@iroe.fi.cnr.it (Lapo Pieri)
Subject: MIR activity ?

Some question on the MIR:

- 1) What about ham activity on MIR station ?
- 2) Is there a store and forward access, and when is active ?
- 3) Where is R2MIR-1 ?
- 4) I've heard that RV3DR is the QSL manager for MIR hamradio, is there an internet address for RV3DR?

Thanks a lot in advance

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Date: Mon, 17 Oct 1994 18:09:42 GMT
From: charlier@lsid.hp.com (Charlie Panek)
Subject: More Static Satellite Tracking Device

Jordi Caralt Barba (caralt@gai.upc.es) wrote:

(about planar phased electrically steerable antenna arrays)

: 5. Is there anybody who knows something about high directivity planar arrays?
: Am I the first to attempt doing such a device?

Back when I was fresh out of engineering school in 1978, I interviewed with Raytheon in Massachusetts. One of the things they showed me that they were working on was a UHF radar system for the military. I believe it was called PAVE-PAWS or something like that. It used large arrays of phased antennas (actually individual receiver/transmitters I think), and the beam was steered by controlling the phase at each antenna. I believe their system consisted of dozens or maybe even hundreds of antennas.

The one thing that really stuck out in my mind at the time was seeing the test equipment indicating frequencies right in the amateur 450 MHz band!

Perhaps there's someone around who worked on that thing that can supply more information.

The tricky thing, I would think, would be controlling the phase accurately enough; keeping it stable with temperature, and keeping the phase delays through any active elements consistent from antenna to antenna. I know from cutting 1/4 wave transmission lines on 450 MHz, that just a few millimeters of error can move you many MHz in frequency.

Lots of luck!

Date: 17 Oct 1994 23:31:42 GMT
From: tls@gate.net (Terry Steinford)

Subject: More Static Satellite Tracking Device

Charlie Panek (charlier@lsid.hp.com) wrote:

: The one thing that really stuck out in my mind at the time was seeing
: the test equipment indicating frequencies right in the amateur 450 MHz band!

I believe that in most of the 450 MHz band government radiolocation is the primary use, amateur is secondary.

Date: Mon, 17 Oct 1994 17:14:51 GMT
From: sem2r@galen.med.Virginia.EDU (Stacey E. Mills)
Subject: Phase III, Modes B&J Equipment

I'm newly returned to hamming after 20 years off and want to get onto the Phase III satellites, Modes B & J. I have a Kenwood TS790, but I need recommendations regarding high-gain circularly polarized antennas for 2 mtrs and 70 cm, alt-azi rotators, preamplifiers, and rotor tracking software and hardware interfaces. Any and all advice would be welcomed!!!

Please respond directly to:

Stacey E. Mills / WB4QKT

E-Mail: SEM2R@galen.med.virginia.edu

Thanks for your help!! Stacey / WB4QKT

Date: Mon, 17 Oct 1994 16:18:04 GMT
From: marcoh@world.std.com (Mark A Heroux)
Subject: Upload and display problems with WISP

I am relatively new to digital satellites, but have successfully downloaded files from A0-16 and L0-19. I'm using the 2207 version WISP, and when I attempt to upload, after apparently transmitting the whole file (~800 bytes), WISP tells me "file not accepted by server".

Also, if you use WISP, do you find that the AOS/LOS display in the upper left corner of GSC overwrites part of the pass prediction and radio button displays?

If you know the cause or possible causes of these errors, would you please email me and I will summarize to the net.

Many thanks,

Marco

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End of Ham-Space Digest V94 #294
